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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Vincent Palermo, Patrick J. Cobler and  
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Title: Diversity Circuit for Magnetic Communication System

Reissue Application of U.S. Patent No. 5,912,925

Date: 6/14/01 Express Mail No. EL552571815US

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please amend the application as follows:

In the Specification, Please Rewrite the Paragraph Starting at  
Column 7 Line 11 as follows:

A'

The phase adjustment information used in receiving signals can also be used in driving transmission signals to provide a maximum signal level at the receiver location. Since the phases of the incoming signals are adjusted to achieve a maximum signal level, the phase adjustments define the position and orientation of the transmitting coil. The same phase adjustments on transmission compensate for this position and orientation. Thus, a single reception coil can be used. According to an embodiment of the invention, the base unit 1 includes three orthogonally positioned coil transducers with phase adjusting circuitry for both reception and transmission. The portable device, therefore, only requires a single coil transducer and can be made smaller in size. As illustrated in FIG. 6, the phase shifters output a phase